

## Claims

- 5 1. An edge-lit illumination system comprising a light transmitting sheet and a light source; the light source being positioned in proximity to and adjacent to an edge of said light transmitting sheet, characterised in that at least one of the two opposing surfaces of said light transmitting sheet carries markings such that said markings are disposed randomly within each of at least one nominal area of said at least one surface.
2. An edge-lit illumination system as claimed in claim 1 wherein both of the opposing surfaces of the light transmitting sheet carry markings.
- 10 3. An edge-lit illumination system as claimed in either of claim 1 or 2 wherein the area of markings coverage in each nominal area is between 0.1 to 99%.
4. An edge-lit illumination system as claimed in claim 3 wherein the area of markings coverage in each nominal area is between 1 to 40%.
5. An edge-lit illumination system as claimed in any of claims 1 to 4 wherein each nominal area is of an equal size.
- 15 6. An edge-lit illumination system as claimed in any of claims 1 to 4 wherein each nominal area is of a different size.
7. An edge-lit illumination system as claimed in any of claims 1 to 6 wherein the area of markings coverage is the same in each nominal area.
8. An edge-lit illumination system as claimed in any of claims 1 to 6 wherein the area of markings coverage is different in each nominal area.
- 20 9. An edge-lit illumination system as claimed in any of claims 1 to 8 wherein the markings range from 0.1 to 10mm in length.
10. An edge-lit illumination as claimed in claim 9 wherein the markings range from 0.3 to 3mm in length.

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11. An edge-lit illumination system as claimed in any of claims 1 to 10 wherein the markings are of an irregular shape.
12. An edge-lit illumination system as claimed in any of claims 1 to 11 wherein the markings are screen printed directly on to the surface of the light transmitting sheet.

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